

10/759807

CopC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Boo Jorgen Lars Nilsson

Attorney Docket No.: DSI1P001

Patent: 7,405,775 B2

Issued: July 29, 2008

Title: Display Empliyng Organic Material

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on January 16, 2009 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: _____

Quyen N. Vuong

**REQUEST FOR CERTIFICATE OF CORRECTION
OF OFFICE MISTAKE
(35 U.S.C. §254, 37 CFR §1.322)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Attn: Certificate of Correction

**Certificate
JAN 23 2009
of Correction**

Dear Sir:

Attached is Form PTO-1050 (Certificate of Correction) at least one copy of which is suitable for printing. The errors together with the exact page and line number where the errors are shown correctly in the application file are as follows:

CLAIMS:

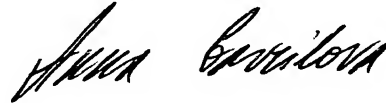
1. In line 12 of claim 27 (column 11, line 51) change "lever" to --layer--. This appears correctly in Amendment C as filed on September 4, 2007, on page 4, line 12.

2. In line 3 of claim 36 (column 12, line 17) change "hydrophobic" to --hydrophilic--.
This appears correctly in Amendment C as filed on September 4, 2007, on page 7, line 7.

JAN 23 2009

It is noted that the above-identified errors were printing errors that apparently occurred during the printing process. Accordingly, it is believed that no fees are due in connection with the filing of this Request for Certificate of Correction. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 504480 (Order No. DS11P001).

Respectfully submitted,
Weaver Austin Villeneuve & Sampson LLP

A handwritten signature in black ink, appearing to read "Anna Gavrilova".

Anna L. Gavrilova
Registration No. 58,181

P.O. Box 70250
Oakland, CA 94612-0250
510-663-1100

JAN 23 2009

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB Control number

(Also Form PT-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,405,775 B2

DATED : July 29, 2008

Page 1 of 1

INVENTOR(S) : Boo Jorgen Lars Nilsson

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

CLAIMS:

1. In line 12 of claim 27 (column 11, line 51) change "lever" to --layer--.
2. In line 3 of claim 36 (column 12, line 17) change "hydrophobic" to --hydrophilic--.

MAILING ADDRESS OF SENDER:

PATENT NO. 7,405,775 B2

Anna L. Gavrilova
WEAVER AUSTIN VILLENEUVE & SAMPSON LLP
P.O. Box 70250
Oakland, CA 94612-0250

No. of Additional Copies

JAN 23 2009¹

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



(Original) The method of claim 38, wherein forming the circuits on the substrate includes forming one or more electrodes that include an organic conductor on the substrate.

56. (Original) The method of claim 38, wherein the substrate has a melting point less than 350 °C.

57. (Currently amended) A method of forming an active matrix display, comprising:

obtaining a substrate for use in a backplane of the display; and
forming a plurality of pixel control circuits on a substrate, each pixel control circuit comprising at least one three-layer two-terminal switching device and being configured to regulate light from a pixel;

wherein forming at least one two-terminal switching device comprises
forming a first electrode of the switching device;
forming a single layer of patterned organic semiconductor layer, wherein the organic semiconductor layer overlies at least a portion of the first electrode; and
forming a second electrode over at least a portion of the patterned semiconductor layer and overlying at least a portion of the first electrode.

58. (Currently amended) A method of forming an active matrix display, comprising:

obtaining a substrate for use in a backplane of the display; and
forming a plurality of pixel control circuits on the substrate, each pixel control circuit comprising at least one three-layer two-terminal switching device and being configured to regulate light from a pixel;

wherein forming at least one two-terminal switching device comprises
forming a first electrode of the switching device;
forming a patterned semiconductor layer over at least a portion of the first electrode; and

forming a second electrode over at least a portion of the semiconductor layer and overlying at least a portion of the first electrode, wherein one or both of the electrodes include an organic conductor.

59. (Previously presented) The method of claim 58, wherein the organic conductor is selected from a group consisting of polyaniline, polypyrrole, polyethylene dioxythiophene.

JAN 23 2009

82. (Withdrawn) The method of claim 57, wherein patterning an organic semiconductor on the substrate includes modifying one or more portions of the substrate such that a solution containing the organic semiconductor preferentially adheres to regions of the substrate.
83. (Withdrawn) The method of claim 82, wherein modifying one or more portions of the substrate includes increasing the hydrophobic nature of one or more portions of the substrate.
84. (Withdrawn) The method of claim 82, wherein modifying one or more portions of the substrate includes increasing the hydrophilic nature of one or more portions of the substrate.
85. (Previously presented) The method of claim 57, wherein the two-terminal switching device has an asymmetric current-voltage curve.
86. (Previously presented) The method of claim 58, wherein the two-terminal switching device is a diode.
87. (Previously presented) The method of claim 58, wherein the two-terminal switching device has a rectification ratio of at least about 10^5 .
88. (Withdrawn) The method of claim 58, wherein forming one or more electrodes includes modifying one or more portions of the substrate such that a solution containing the organic conductor preferentially adheres to regions of the substrate.
89. (Withdrawn) The method of claim 88, wherein modifying one or more portions of the substrate includes increasing the hydrophobic nature of one or more portions of the substrate.
90. (Withdrawn) The method of claim 88, wherein modifying one or more portions of the substrate includes increasing the hydrophilic nature of one or more portions of the substrate.
91. (Previously presented) The method of claim 58, wherein the two-terminal switching device has an asymmetric current-voltage curve.

JAN 23 2009